



GREEN ACRES ATL ENERGY PARK

Environmental Conference of the South

 Hartsfield-Jackson
Atlanta International Airport.

The Big Picture



What Is GreeningATL?



What does Sustainability Mean at ATL?

- Accountability & Metrics
- Achieve Sustainable Management Plan goals
- Subcultural shift
- Innovation and “There is no Box”
- Minimizing ATL’s carbon footprint
- Top Seed in Resilience and Sustainability

GOALS by 2020

Climate Action: Reduce Emissions
20%

Energy Conservation: Reduce
Consumption 20%

Water Consumption: Reduce
Consumption 20%

Materials & Resource
Management: Zero Waste 90%

Sustainable Management Plan



Planning for Growth: **ATL**NEXT



Terminal Modernization

Planning for Growth: **ATL**NEXT



Terminal Modernization

DEVELOPING the REGION



Aerotropolis Atlanta is a new vision of metro Atlanta's southside.

- 4-star InterContinental hotel
- Class A Office Space
- Transportation Mobility
- Stimulate investment
- Strengthening public coordination
- Create Jobs

DEVELOPING the REGION



Porsche Cars N.A.

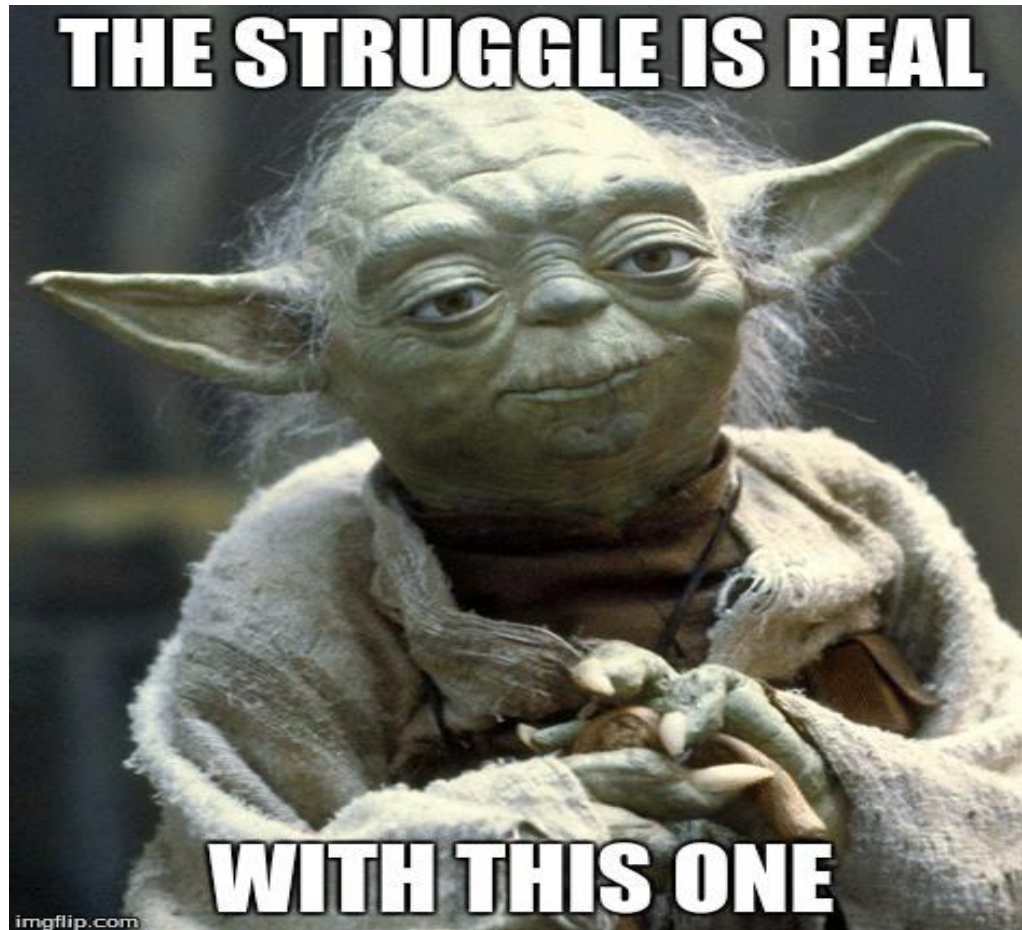
- Porsche Cars North America headquarters
- Porsche Experience Center at One Porsche Drive
- Technical Service and Training Center,
- Industry-first Customer Experience Center with a test track and road course
- First Solis Hotel in the Atlanta region.

DEVELOPING the REGION



ATL could become ground zero for the new Amazon HQ2 Project.

- 50,000 Jobs
- \$100K Average Salary
- \$5B Project
- Ginormous stream of recyclables



**Design a Utopian
Resilience
Management
Plan?**

Challenges

Subculture

Resources

**Senior
Management
Support**

Coordination

Compliance

Policies

**Educating all
Internal &
External
Stakeholders**

**Metric
Maintenance**

**Innovation
Low tipping fees**

Policies Stimulate Innovation, Hopefully...

- Sustainability
- Compliance/ City of Atlanta Sustainable Building Ordinance
~2017 LEED Silver or higher
 - Internal Office Recycling
 - Zero Waste
 - Sustainable Food Court Initiative (SFCI)
 - Deconstruction – 90% diversion of C & D waste
 - ReTrac
 - EPA Food Recovery Challenge
 - GoodR
- Green Procurement (Pending)
- Energy & Water : ISO 50001: Energy Management Systems
- Green Infrastructure
- ISO 140001:2015 (2020)

Impact

- Reduced Costs
- Increased Diversion
- Increased Feedstock
- Accelerated Payback
- Innovation
- Passenger Loyalty
- Non-traditional Revenue

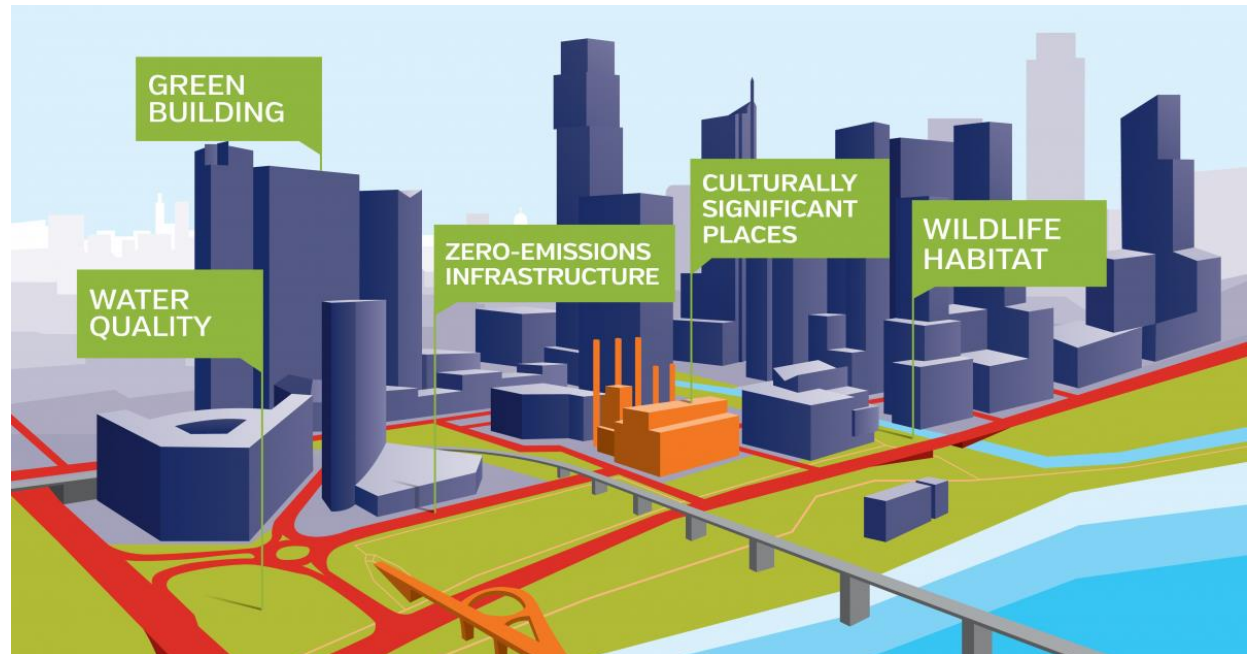


ATL EcoDistrict

Equitably Building Sustainability & Resilience in Atlanta's Aerotropolis

1st Registered Aviation EcoDistrict

100%
Carbon
Neutral
Goal
2025



BUILDING THE TEAM



Materials & Resource Management Plan



PLAN

- 25,000 tons generated by passengers
- 48,352 tons all streams
- Green Infrastructure

IMPLEMENT

- Policies
- Programs
- Projects

REPORT

- ISO 50001
- ISO 55000
- ISO14001:2015

Systems Engineering Based Approach

- Process-based methodology
 - A holistic approach
 - The Blueprint
- Factors that Impact Infrastructure:
 - Existing ATL Infrastructure
 - Federal, State, and Local Mandates
 - Policies
 - ATL Vision, Principles, Objectives and Goals
 - Environmental Justice

SYSTEMS ENGINEERING APPROACH TO INTEGRATED RESILIENCE & SUSTAINABILITY PLANNING

INPUTS

- Assess
- Optimize
- Integrate
- Expand
- Implement
- Activate

OUTPUTS

SOFT INFRASTRUCTURE:

Expand Existing Programs
Implement New Policies
Implement New Programs

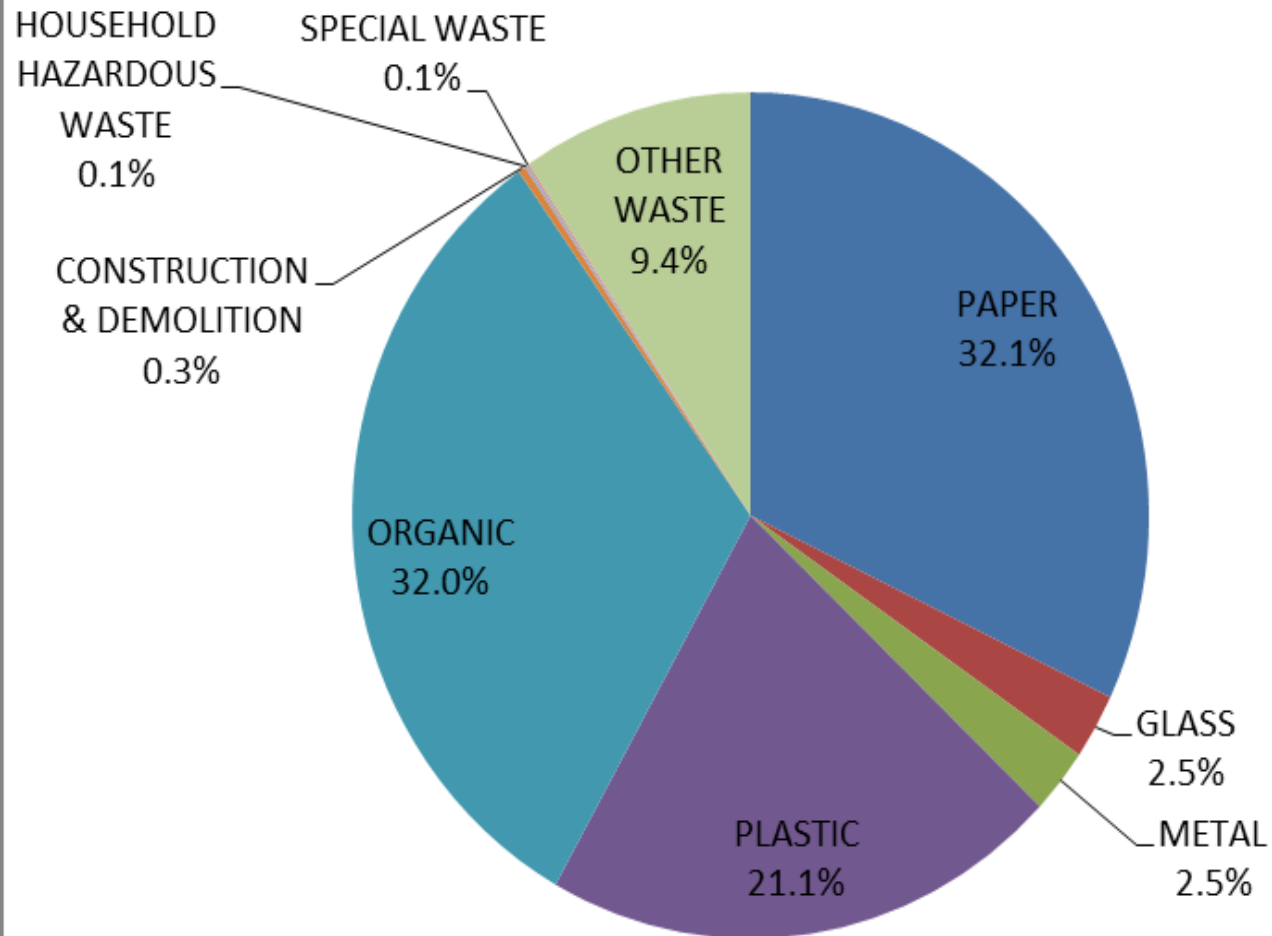
HARD INFRASTRUCTURE:

Upgrade Existing Facilities

Expand Existing Facilities

Develop Integrated MRF
w/CT

THE STREAM



Materials & Resource Management



**Milagro Bin by
Rubbermaid**

Total lbs. of virgin resin
used per year in 2013

302,757

Total lbs. of virgin resin used
per year in 2014

17,121

Total reduction of lbs. of trash bags
sent to the landfill each year

1,872

Total cost savings annually

\$150,000



3rd Party Certifications Make Life Easier



COMPOSTABLE
IN INDUSTRIAL FACILITIES

Check locally, as these do not exist in many communities. **Not suitable for backyard composting.** CERT # SAMPLE



US Composting Council
Seal of Testing Assurance

Third party certifications provide reliability,
accountability and compliance

LET'S RECYCLE RIGHT!



**paper cans
plastic
bottles**



compostables
food and food-related paper
compostable dishware



landfill
basura

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INCREASING DIVERSION TOGETHER



Compostables

42%

OCC, PET #1, Plastic bags,
Mixed Paper, Aluminum,
Trash bags, Glass,
Magazines, Newspaper,

48.4%

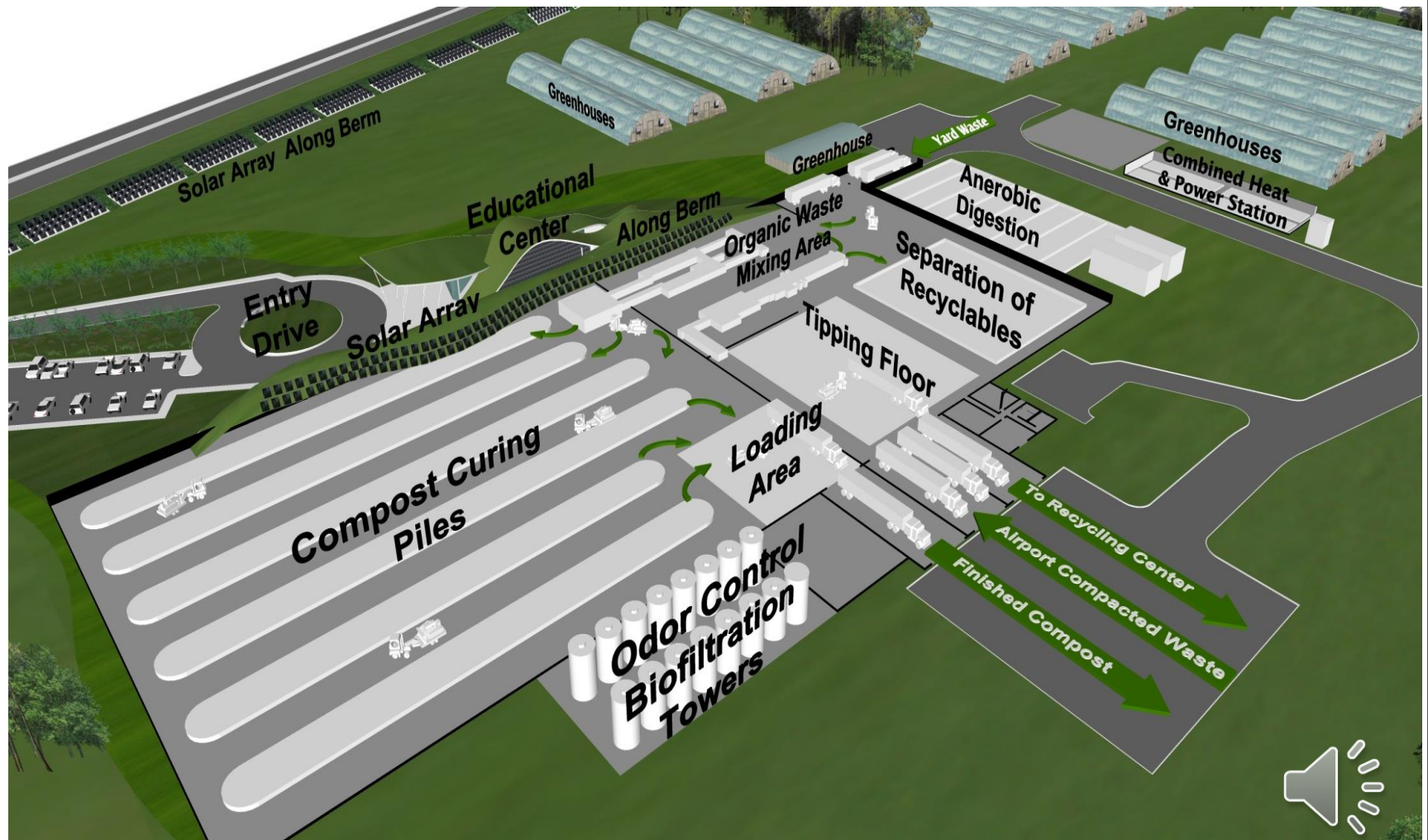
Total Landfill Diversion Anticipated
Annually

90.4 %

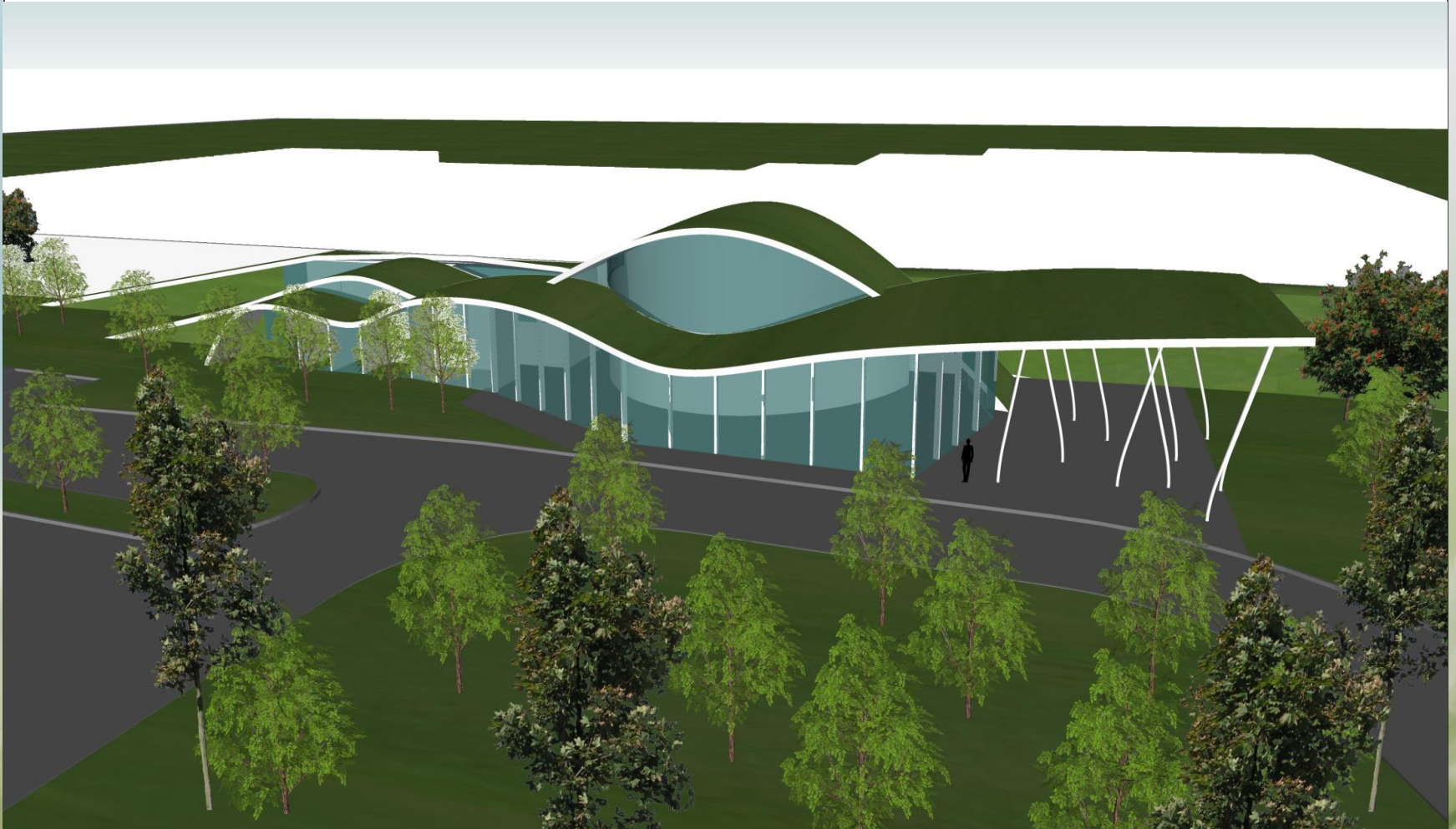
ZERO WASTE = CLOSING THE LOOP



GREEN ACRES ATL ENERGY PARK

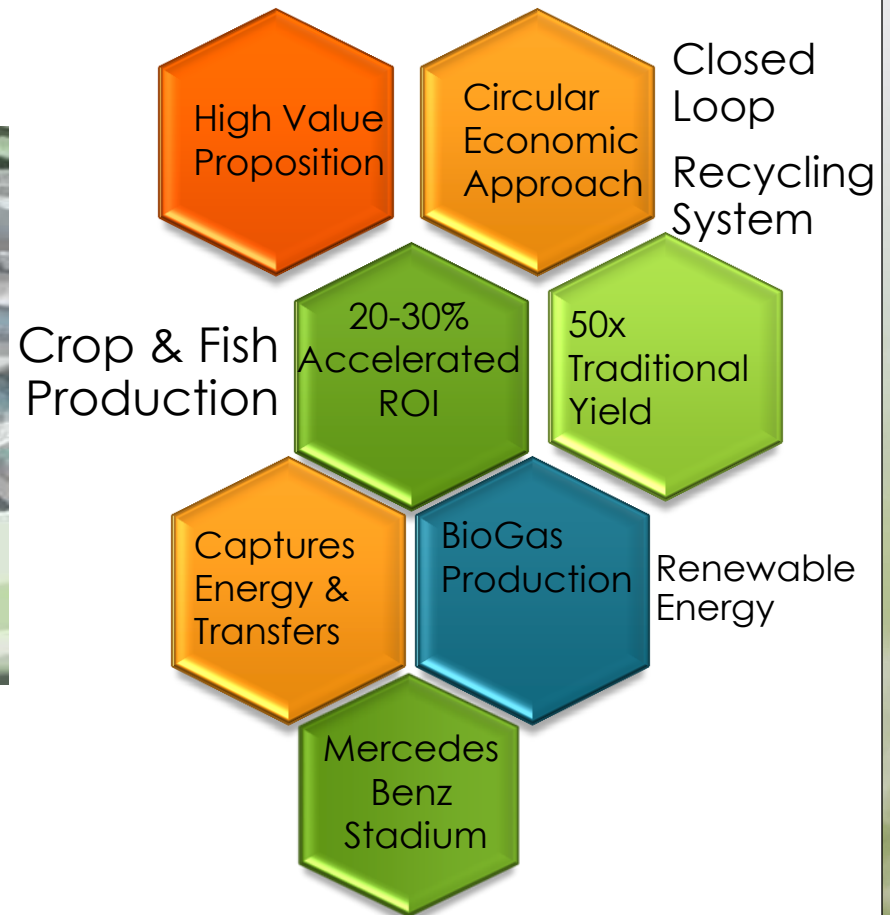


Green Acres Energy Park Education & Entrepreneurial Center



Non-Traditional Revenue

So What's the Big Deal?



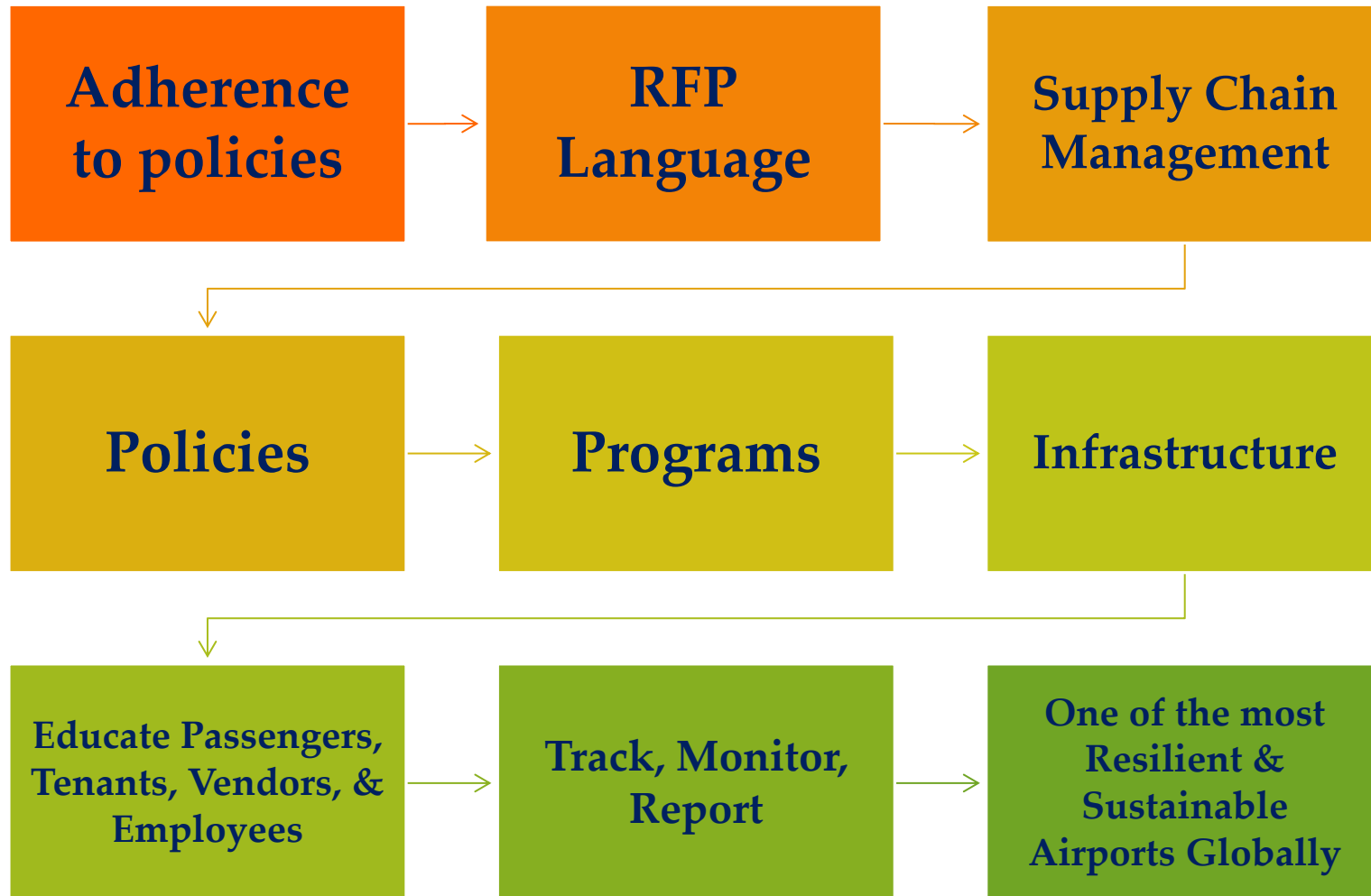
Accomplishments

- LEED Gold International Terminal
- Recycling Containers in the CPTC
- West Ancillary Deconstruction Project
- LEED Silver Fire Station #33
- Cargo Building C LEED Gold (Pending)
- CV Hold Lot LEED Gold
- SFCI PROGRAM



- New Cargo Facility- Goal = LEED Gold
- Airborne Kitchen Grease Program – Won Project of the Year March, 2015
- Food Recovery Challenge: 17,000 lbs. recovered and contributed to the community in 2014
- LEED Gold Fire Station #40

Strategic Impact Plan



JOIN US....



SAVE THE DATE
JUNE 3 – 6



INTERNATIONAL SUSTAINABLE
ASSET MANAGEMENT
CONFERENCE

Exhibitors
Sponsorships
Attendees

For additional information Contact John Means at John.Means@ATL.com

Questions?

ATLANTA



RECYCLES™

Thank You for
GreeningATL!

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